

## ABSTRACT OF THE DISCLOSURE

A transmission power control system comprises a quality deterioration detector and a transmission power control bit adjusting unit connected to the quality deterioration detector. The quality deterioration detector detects quality deterioration of a communication state of radio communication between a base station and mobile stations. The transmission power control bit adjusting unit adjusts the transmission power control bit signals so as to suppress increase of transmission power of the mobile stations when the quality deterioration detector detects the quality deterioration.